

ABSTRACT

A self-pointing antenna has a reflector, a feed or a sub-reflector and a plurality of support struts coupled between the reflector and the boom arm and supporting the feed or sub-reflector. At least one actuator is operatively coupled with the support struts for adjusting the position of the feed or sub-reflector relative to the reflector so as to selectively adjust either/or both of the beam elevation and azimuth of a main beam axis of the antenna.

2025 RELEASE UNDER E.O. 14176